

(FILE 'HOME' ENTERED AT 11:45:00 ON 15 FEB 2002)

FILE 'USPATFULL, CA' ENTERED AT 11:45:08 ON 15 FEB 2002

| | |
|-----|--|
| L1 | 66 S 55840-13-6/RN |
| L2 | 24 S GLYCEROLSTEARATECITRATE OR ((GLYCEROLSTEARATE OR GLYCEROLMONO |
| L3 | 32 S ((STEARYLMONOGLYCERIDYL OR (STEARYL (W) MONOGLYCERIDYL)) (W) |
| L4 | 108 S L1 OR L2 OR L3 |
| L5 | 24 S 39175-72-9/RN |
| L6 | 126 S L4 OR L5 |
| L7 | 3493 S 67762-27-0/RN OR ((CETYLSTEARYL OR CETEARYL OR CETOSTEARYL) (|
| L8 | 12 S L6 AND L7 |
| L9 | 344587 S EMULSION |
| L10 | 11 S L8 AND L9 |
| L11 | 3 S L10 AND PY<1998 |

FILE 'STNGUIDE' ENTERED AT 11:55:27 ON 15 FEB 2002

FILE 'USPATFULL, CA' ENTERED AT 11:57:37 ON 15 FEB 2002

| | |
|-----|---------------------|
| L12 | 8 S L10 NOT L11 |
| L13 | 2 S L12 AND PY<1999 |
| L14 | 6 S L12 NOT L13 |

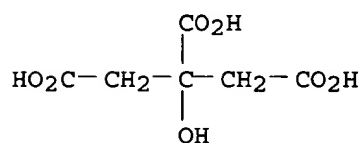
L1 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2002 ACS
RN 39175-72-9 REGISTRY
CN 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, ester with 1,2,3-propanetriol
monooctadecanoate (1:1) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **Glycerol stearate citrate**
DR 67224-65-1
MF C27 H48 O10
CI IDS
LC STN Files: CA, CAPLUS, CHEMLIST, IFICDB, IFIPAT, IFIUDB, TOXCENTER,
TOXLIT, USPATFULL

CM 1

CRN 77-92-9
CMF C6 H8 O7



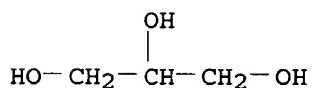
CM 2

CRN 57-11-4
CMF C18 H36 O2



CM 3

CRN 56-81-5
CMF C3 H8 O3



21 REFERENCES IN FILE CA (1967 TO DATE)
21 REFERENCES IN FILE CAPLUS (1967 TO DATE)

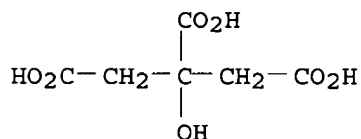
L1 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2002 ACS
RN 55840-13-6 REGISTRY
CN 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, ester with 1,2,3-propanetriol
monooctadecanoate (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Acidan
CN Acidan N 12
CN Axol LC
CN Glycerin monostearate citrate
CN **Glycerol stearate citrate**
CN Monostearin citrate
CN Poem K 30
CN Stearyl monoglyceridyl citrate
CN Sunsoft 621B
DR 1337-34-4
MF C21 H42 O4 . x C6 H8 O7
LC STN Files: CA, CAPLUS, CHEMLIST, TOXCENTER, TOXLIT, USPATFULL
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

CM 1

CRN 77-92-9
CMF C6 H8 O7

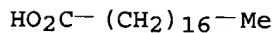


CM 2

CRN 31566-31-1
CMF C21 H42 O4
CCI IDS

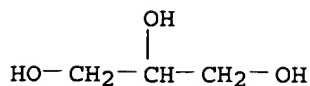
CM 3

CRN 57-11-4
CMF C18 H36 O2



CM 4

CRN 56-81-5
CMF C3 H8 O3



58 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
58 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L24 ANSWER 21 OF 25 CA COPYRIGHT 2002 ACS

ACCESSION NUMBER: 85:166573 CA

TITLE: Effect of **cetostearyl alcohol** on the stabilization of an **oil-in-water emulsion**. I. Difference in the effect by mixing **cetyl alcohol** with **stearyl alcohol**

AUTHOR(S): Fukushima, S.; Takahashi, M.; Yamaguchi, M.

CORPORATE SOURCE: Shiseido Lab., Yokohama, Japan

SOURCE: J. Colloid Interface Sci. (1976), 57(2), 201-6

CODEN: JCISA5

DOCUMENT TYPE: Journal

LANGUAGE: English

CLASSIFICATION: 63-5 (Pharmaceuticals)

Section cross-reference(s): 62

ABSTRACT:

It is known that an **oil-in-water emulsion** increases in consistency and stability on addn. of **cetostearyl ***alc***** . [8005-44-5]. When either **cetyl alc.** [36653-82-4] or **stearyl alc.** [112-92-5] was added individually, the **emulsion** stability decreased. On storage at room temp., unstable **emulsions** decreased in consistency and many particles (not visible immediately after prepn.) appeared. The particles were detd. to be crystals of the **alc** . added. When both **alcs.** were included in the formulation simultaneously in the appropriate ratio, the **emulsions** were stable and did not show such changes. This difference in stability can be explained in relation to polymorphism of the **alcs.**

SUPPL. TERM: **cetyl alc emulsion** stability; **stearyl alc emulsion** stability; **cetostearyl alc emulsion** stability

INDEX TERM: X-ray
(diffraction of, by **emulsions**, **cetyl alc.** and **stearyl alc.** effect on)

INDEX TERM: **Cosmetics**
Pharmaceuticals
(**emulsions**, stability of, **cetyl alc.** and **stearyl alc.** effect on)

INDEX TERM: Rheology
Thermal analysis
(of **emulsions**, **cetyl alc.** and **stearyl alc.** effect on)

INDEX TERM: 112-92-5 8005-44-5 36653-82-4
ROLE: BIOL (Biological study)
(**emulsion** stability in relation to)

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 67762-27-0 REGISTRY *

* Use of this CAS Registry Number alone as a search term in other STN files may result in incomplete search results. For additional information, enter HELP RN* at an online arrow prompt (=>).

CN Alcohols, C16-18 (CA INDEX NAME)

OTHER NAMES:

CN Adol 63

CN Adol 65

CN Adol 66

CN Alcs., C16-18

CN Alfol 1618

CN Alfol 1618C

CN Barolub LOH

CN C16-18 alcohols

CN C16-18 alcs.

CN Cetanol SCA

CN Cetearyl alcohol

CN Cetostearyl alcohol

CN Cetylstearyl alcohol

CN Cire algonol CS

CN Cire deLanol ST

CN Conol 300C

CN Crodacol SCB

CN Cyclochem emulsion wax

CN Dehydag wax N

CN Epal 1618

CN Hydrenol D

CN Hydrenol DV

CN Hydrenol MY

CN Hydrenol S 3

CN Kalcohol 220-80

CN Kalcohol 68

CN Kalcohol 6850

CN Kalcohol 6870

CN Kalcohol 86

CN Kalcohol 8665

CN Kalcohol 8688

CN Lanette O

CN Lanette wax

CN Laurex CS

CN NAA 45

CN NAA 46

CN Rofanol P 50/55

CN Rofanol P 80/55

CN Rofanol P 80/85

CN Salim C 16/18

CN Sipol CS

CN Stenol 16/18

CN Stenol 1618

CN Stenol PC

DEF This substance is identified by SDA Substance Name: C16-C18 alkyl alcohol and SDA Reporting Number: 19-060-00. Consult SDA Substance Identification Procedure.

DR 12705-32-7, 8005-44-5, 8032-20-0, 8032-22-2, 8032-92-6, 8033-00-9, 8034-88-6, 8038-54-8, 1336-34-1, 58392-01-1, 58392-68-0, 63393-84-0, 52003-59-5, 67762-43-0, 78565-03-4, 39315-71-4, 199745-51-2

MF Unspecified

-CI COM, MAN, CTS

LC STN Files: ADISNEWS, BIOSIS, BIOTECHNO, CA, CAPLUS, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, NAPRALERT, TOXCENTER, TOXLIT, USPATFULL

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

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